

ABSTRACT OF THE DISCLOSURE

A fluid machinery such as helical compressor includes a sliding mechanism comprising one side member composed, in combination, of a metallic base member having a sliding surface and a lubrication film formed on the sliding surface in a close contact thereto, and a counterpart side member containing fluorocarbon resin in an amount of at least 50 wt.%. The lubrication film includes a solid lubricant having a self-lubrication property and a binder of resin material.